

Converting Colors

$Y_{xy}(34.9730, 0.2279, 0.3157)$

Have a look what the booklet for
Yxy(34.9730, 0.2279, 0.3157)
contains.

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Color

Yxy(35.1157, 0.2279, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	2FB0B8
RGB	47, 176, 184
RGB Percent	18%, 69%, 72%
CMY	0.8148, 0.3098, 0.2784
CMYK	0.74, 0.04, 0.00, 0.28
HSL	184°, 59%, 45%
HSV	184°, 74%, 72%
XYZ	25.3576, 35.1157, 50.7931
YIQ	138.3410, -79.4520, -24.8600

Conversions

Conversions Part 2

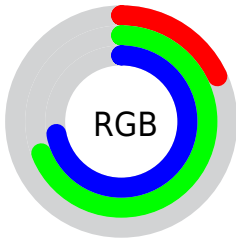
Format	Color
RYB	47, 113, 184
Decimal	3125432
CIELab	65.84, -30.87, -14.01
CIElCh	66, 33.904, 204.409
Yxy	35.1157, 0.2279, 0.3156
Android (android.graphics.Color)	4281315512 (0xFF2FB0B8)
YUV	138.3410, 22.5099, -80.1061
Hunter-Lab	59.2585, -27.3195, -9.3392

Details

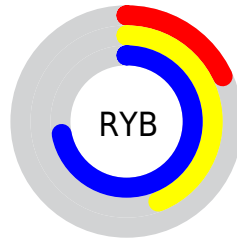
The Yxy color **35.1157, 0.2279, 0.3156** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.1550, 0.5565, 0.3379**, and the grayscale version is **25.5131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6493, 0.2436, 0.3190**, and **15.8046, 0.2196, 0.3104** is the 20% darker color. If you saturate the color by 10%, you get **34.3445, 0.2234, 0.3136**, and if you desaturate by 10%, it is **36.0775, 0.2342, 0.3176**.

Distribution



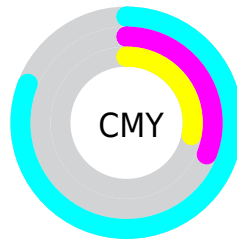
- Red (18%)
- Green (69%)
- Blue (72%)



- Red (18%)
- Yellow (44%)
- Blue (72%)



- Cyan (74%)
- Magenta (4%)
- Yellow (0%)
- Black (28%)





- Cyan (81%)
- Magenta (31%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1157, 0.2279, 0.3156 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 35.1157, 0.2279, 0.3156 by changing the saturation by 10% instead.

 35.1157, 0.2279,
0.3156


 35.1157, 0.2279,
0.3156


325.0787, 0.2710,
0.3239

 23.7520, 0.2171,
0.3130


 67.6650, 0.2436,
0.3190

 15.1498, 0.2032,
0.3092


 89.6193, 0.2495,
0.3202


 8.9246, 0.1847,
0.3036


 115.8727, 0.2545,
0.3211

 4.6920, 0.1594,
0.2945

 146.8095, 0.2587,
0.3219

 2.0677, 0.1231,
0.2781

 182.8141, 0.2624,
0.3225

 0.6464, 0.0000,
0.2562

224.2709, 0.2656,

 0.0000, 0.0000,

0.3231

0.0000

271.5643, 0.2684,
0.3235

■ 35.1157, 0.2279,
0.3156

■ 35.1157, 0.2279,
0.3156

■ 34.3445, 0.2234,
0.3136

■ 36.0775, 0.2342,
0.3176

■ 33.7349, 0.2207,
0.3117

■ 37.2465, 0.2425,
0.3195

■ 33.4321, 0.2196,
0.3106

■ 38.6419, 0.2525,
0.3215

■ 40.2797, 0.2641,
0.3233

■ 42.1743, 0.2771,
0.3251

■ 44.3391, 0.2912,
0.3268

■ 46.7864, 0.3061,
0.3284

■ 49.5279, 0.3215,
0.3298

■ 52.5746, 0.3372,
0.3311

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.1157, 0.2587, 0.3680



35.1157, 0.2279, 0.3156



35.1157, 0.2185, 0.2733

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.1157, 0.2279, 0.3156



35.1157, 0.3132, 0.2629



35.1157, 0.3978, 0.4070

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



35.1157, 0.2279, 0.3156



13.1550, 0.5565, 0.3379

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



35.1157, 0.4166, 0.3723



35.1157, 0.2279, 0.3156



35.1157, 0.3658, 0.2926

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.1157, 0.2279, 0.3156



35.1157, 0.2645, 0.2475



35.1157, 0.4051, 0.3313



35.1157, 0.3565, 0.4236

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.1157, 0.2279, 0.3156



35.1157, 0.2246, 0.2556



35.1157, 0.4051, 0.3313



35.1157, 0.4071, 0.3968

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



35.1170, 0.2279, 0.3156



77.1754, 0.2798, 0.3255



35.1615, 0.2994, 0.5543



16.4231, 0.2761, 0.3250



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.1170, 0.2279, 0.3156



61.5402, 0.2216, 0.3124



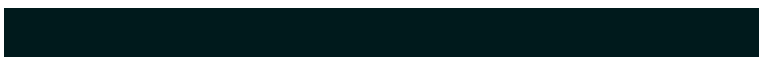
14.9617, 0.1967, 0.1926



10.1180, 0.2985, 0.3276



23.0752, 0.2197, 0.3109



0.8409, 0.2211, 0.3158

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.3772, 0.3309, 0.1777



24.7845, 0.3344, 0.1654



24.4307, 0.4730, 0.4232



9.1534, 0.3146, 0.3078



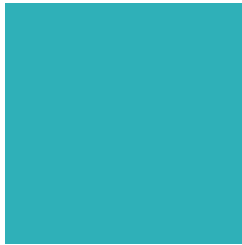
9.1118, 0.3360, 0.1624



0.3240, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 35.1157, 0.2279, 0.3156 looks on a white background.

Color Contrast Check

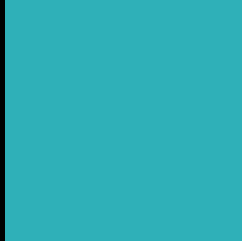
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 35.1157, 0.2279, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

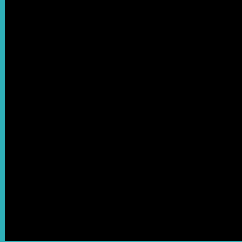
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

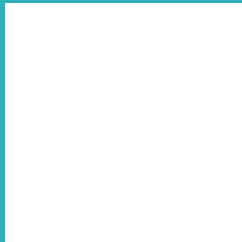
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.1157, 0.2279, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 35.1157, 0.2279, 0.3156.

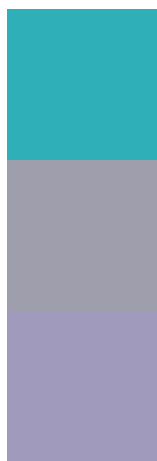


This preview shows how white text looks on a background with the Yxy color 35.1157, 0.2279, 0.3156.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

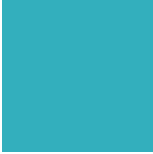
35.1157, 0.2279, 0.3156

Protanopia

34.7014, 0.3004, 0.3087

Deuteranopia

34.5904, 0.2880, 0.2813



Tritanopia

35.0379, 0.2261, 0.3061

Trichromacy



Original Color

35.1157, 0.2279, 0.3156



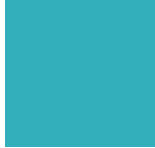
Protanomaly

33.8964, 0.2645, 0.3117



Deuteranomaly

33.7042, 0.2573, 0.2922



Tritanomaly

34.9259, 0.2268, 0.3092

Monochromacy



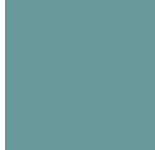
Original Color

35.1157, 0.2279, 0.3156



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.8263, 0.2672, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1157, 0.2279, 0.3156 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(47, 176, 184)` looks like.

```
.text, #text, p{  
    color:rgb(47, 176, 184)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(47, 176, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 176, 184) }
```

Border

The CSS property to change the border of an element to Yxy 35.1157, 0.2279, 0.3156 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(47, 176, 184) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(47, 176, 184) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(47, 176, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 176, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 176, 184);  
box-shadow:4px 4px 4px 4px rgb(47, 176,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1157, 0.2279, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 176, 184) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(47, 176,  
184) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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